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TRADEMARK OFFICE

PATENT
81289-294289

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Timothy A. HOVANEC et al. Group Art Unit: Unassigned

Appln. No.: 10/682,179 Examiner: Unassigned

Filed: October 9, 2003

Title: ***NITRITE-OXIDIZING BACTERIA AND METHODS OF USING AND DETECTING THE SAME***

* * * * *

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

The attached Information Disclosure Statement is being filed before the first Office Action on the merits.

This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Respectfully submitted,
PILLSBURY WINTHROP LLP

Date: December 3, 2003 By: _____
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FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty. Dkt. No.	M#	Client Ref.
	294289	81289

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: Timothy A. Hovanec et al.

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Dat : December 3, 2003 Page 1 of 2

Examiner: Group Art Unit:

U.S. PATENT DOCUMENTS

Examiner's Initials*		Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR	6,268,154	07/31/2001	Hovanec	C12Q	1/68	
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	OR	Tal, Yossi et al., "Characterization of the microbial community and nitrogen transformation processes associated with moving bed bioreactors in a closed recirculated mariculture system," Aquaculture, Elsevier Science B.V., 2003, pp. 187-202
	PR	Ehrich, Silke et al, "A new obligately chemolithoautotrophic, nitrate-oxidizing bacterium, *Nitrospira moscoviensis* sp. nov. and its phylogenetic relationship," Arch Microbiol, Springer-Verlag, 1995, pp. 16-23
	QR	Hovanec, Timothy A. et al., "*Nitrospira*-Like Bacteria Associated with Nitrite Oxidation in Freshwater Aquaria," Applied and Environmental Microbiology, American Society for Microbiology, 1998, pp. 258-264
	RR	Schmidt, Thomas M. et al., "Analysis of a Marine Picoplankton Community by 16S rRNA Gene Cloning and Sequencing," Journal of Bacteriology, American Society for Microbiology, July 1991, pp. 4371-4378
	SR	Hovanec, Timothy A. et al., "Comparative Analysis of Nitrifying Bacteria Associated with Freshwater and Marine Aquaria," Applied and Environmental Microbiology, American Society of Microbiology, Aug. 1996, pp. 2888-2896
	TR	Teske, A. et al., "Evolutionary Relationships among Ammonia- and Nitrite-Oxidizing Bacteria," Journal of Bacteriology, American Society for Microbiology, Nov. 1994, pp. 6623-6630
	UR	Pommerening-Roser, Andreas et al., "Phylogenetic Diversity with the Genus *Nitrosomonas*," System Appl. Microbiol., Gustav Fischer Verlag, 1996, pp. 344-351
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	YR	Juretschko, Stefan et al., "Combined Molecular and Conventional Analyses of Nitrifying Bacterium Diversity in Activated Sludge: *Nitrosococcus mobilis* and *Nitrospira*-Like Bacteria as Dominant Populations," Applied and Environmental Microbiology, American Society for Microbiology, Aug. 1998, pp. 3042-3051				
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	AAR	Mobarry Bruce K. et al., "Phylogenetic Probes for Analyzing Abudance and Spatial Organization of Nitrifying Bacteria," Applied and Environmental Microbiology, American Society for Microbiology, June 1996, pp. 2156-2162				
	BBR	Koops, H.P. et al., "Classification of Eight New Species of Ammonia-Oxidizing Bacteria," Journal of General Microbiology, 1991, pp 1689-1699				
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	DDR	Navarro, E. et al., "Genetic Structure of Natural Populations of *Nitrobacter* in an Aquatic Environment," Hydrobiologia, Kluwer Academic Publishers, 1995, pp. 43-48				
	EER	Stephen, John R. et al. "Molecular Diversity of Soil and Marine 16S rRNA Gene Sequences Related to β-Subgroup Ammonia-Oxidizing Bacteria," Applied and Environmental Microbiology, American Society for Microbiology, Nov. 1996, pp. 4147-4154				
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	OOR	Ehrich et al, "GenEMBL Accession No. X82558, Aug. 1995				

Examiner

Date Considered:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.